INSTALLATION INSTRUCTIONS

QUICK DISCONNECT FEEDER END ADAPTOR KITS 4820G - 4995

1. Quick Disconnect Feeder End may be connected directly to a Bernard adaptor by threading quick disconnect directly into adaptor. Make all necessary power, control, and gas connections.

2. Quick Disconnect Feeder End, PN 4920 is supplied with two long guide tubes (PN 478 and 479) of different I.D.'s which must be cut to the proper length.

3. Select the proper guide tube I.D. from the table below.
   .023-.052 Electrode Small I.D.
   .062-1/8 Electrode Large I.D.

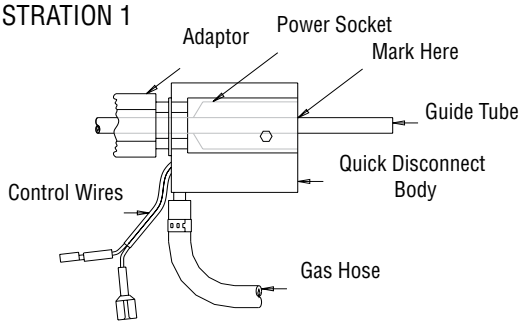
4. Install taper end toward feed rolls. If electrodes below .045 are being used, it may be advisable to grind a chisel point on the tapered end to guide electrode closer to the feed rolls.

5. Procedure to determine cut length for guide tube that extends beyond quick disconnect (Refer to Illustration 1):
   A. Mark tube at point even with end of quick disconnect body.
   B. Remove guide tube.
   C. Cut guide tube at a point 1-1/2" toward the taper from the area marked.
   D. Reinstall in adaptor and tighten set screw.

6. Procedure to determine cut length for guide tube recessed within quick disconnect (Refer to Illustration 2).
   A. With small rule, measure amount guide tube is within quick disconnect body.
   B. Using formula below, cut guide tube to proper length. Shorten guide tube from end opposite taper.
   C. 1-1/2" minus distance measured inside the quick disconnect body equals length to be shortened.

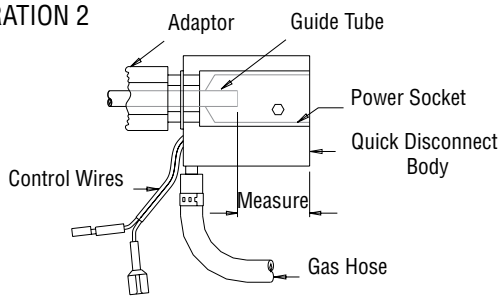
7. Insert the guide tube in the adaptor. Check guide tube length as indicated in Illustration 3 for proper fit and tighten set screw. E-Z Feed Adaptor Kits are supplied with pre-cut guide tubes for specific machines, as indicated below.

ILLUSTRATION 1



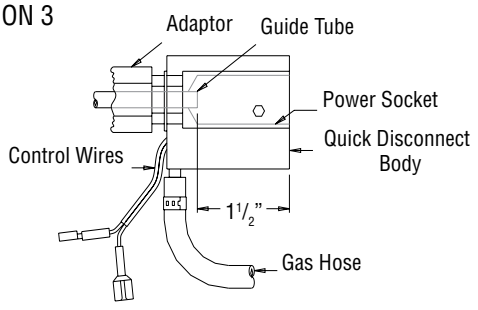
GUIDE TUBE BEYOND QUICK DISCONNECT

ILLUSTRATION 2

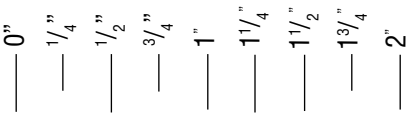


GUIDE TUBE WITHIN QUICK DISCONNECT

ILLUSTRATION 3



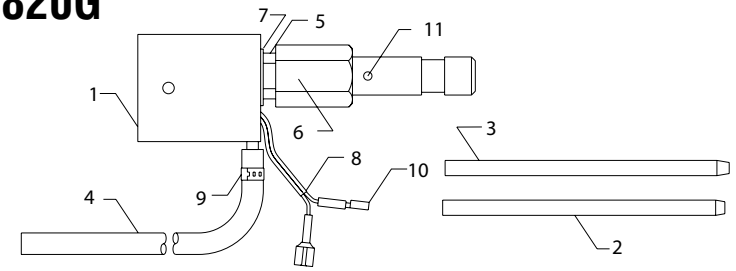
PROPER GUIDE TUBE POSITION



Bernard
A Division of Miller Electric Mfg. Co.
449 West Corning Road, Box 667
Beecher, Illinois 60401 USA

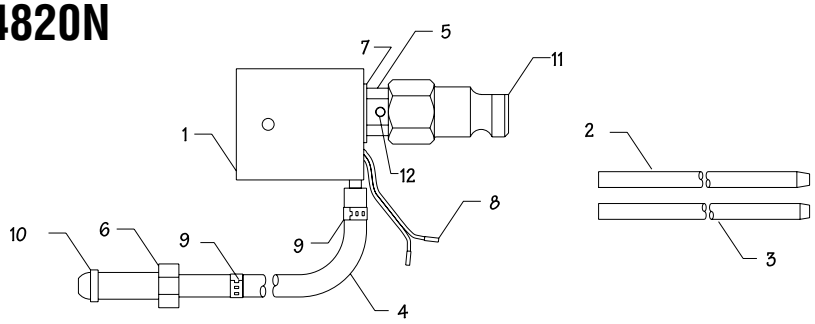
Phone: 1-855-MIGWELD (644-9353) (US & Canada)
+1-519-737-3030 (International)
Fax: 708-946-6726
For more information, visit us at BernardWelds.com

4820G



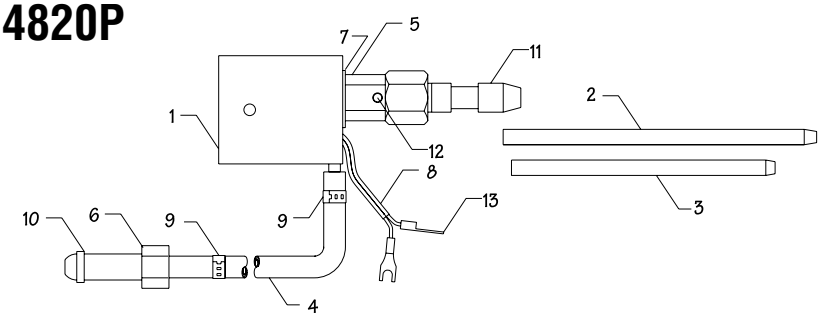
FOR USE ON	ITEM	PART NO.	DESCRIPTION
Hobart	1	4893	Body, w/Gas Barb & O-Ring
Beta-Mig	2	4850	Guide Tube, Small I.D.
200-2000	3	373	Guide Tube, Large I.D.
Models 17 & 19	4	1571	Gas Hose
	5	4908	Socket
Miller	6	5108	Adaptor Body
Migman 105	7	4912	Snap Ring
W/pre-cut guide	8	4942	Wire Assembly
tubes	9	1930	Oetiker Clamp
	10	1346	Terminals
	11	396	Set Screw

4820N



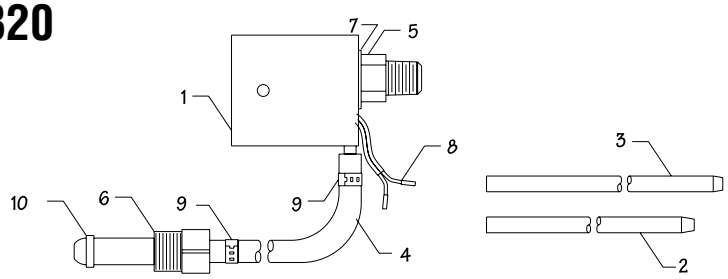
FOR USE ON	ITEM	PART NO.	DESCRIPTION
Panasonic	1	4893	Body, w/Gas Barb & O-Ring
YW501FK	2	4958	Guide Tube, Small I.D.
	3	379	Guide Tube, Large I.D.
National	4	1571	Gas Hose
most models	5	4972	Socket
	6	366	Gas Nut
	7	4912	Snap Ring
	8	4942	Wire Assembly
	9	1930	Oetiker Clamp
	10	663	Hose Gland
	11	7115	Adaptor Body
	12	396	Set Screw

4820P



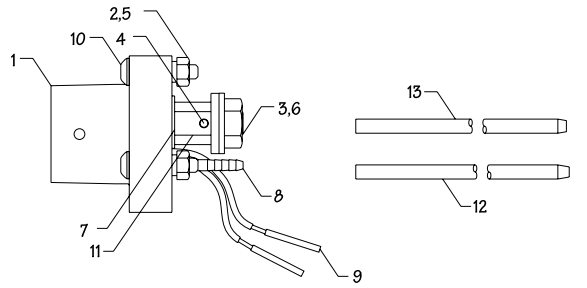
FOR USE ON	ITEM	PART NO.	DESCRIPTION
OTC	1	4893	Body, w/Gas Barb & O-Ring
most models	2	4958	Guide Tube, Small I.D.
	3	379	Guide Tube, Large I.D.
Gelco	4	1571	Gas Hose
all models	5	4972	Socket
	6	366	Gas Nut
	7	4912	Snap Ring
	8	4942	Wire Assembly
	9	1930	Oetiker Clamp
	10	663	Hose Gland
	11	7124	Adaptor Body
	12	396	Set Screw
	13	4261	Spade Terminal

4820



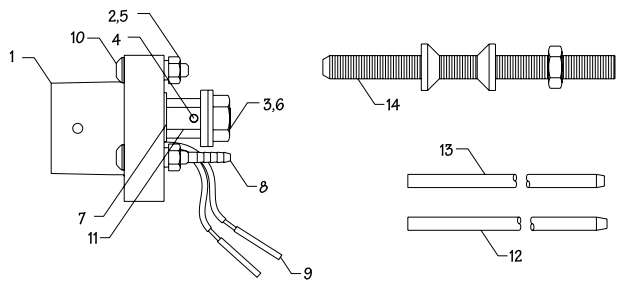
FOR USE ON	ITEM	PART NO.	DESCRIPTION
Quick Disconnect,	1	4893	Body, w/Gas Barb & O-Ring
feeder end w/guide	2	478	Guide Tube, Small I.D.
tubes (2)	3	479	Guide Tube, Large I.D.
Fits all existing	4	1571	Gas Hose
Bernard adaptors	5	4908	Socket
	6	1566	Gas Nut
	7	4912	Snap Ring
	8	4942	Wire Assembly
	9	1930	Oetiker Clamp
	10	663	Hose Gland

4970



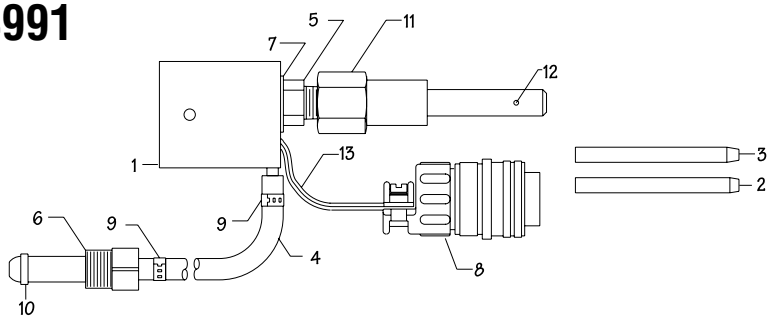
FOR USE ON	ITEM	PART NO.	DESCRIPTION
ESAB, most models	1	4971	Feeder Mount
	2	1456	Hex Nut
W/pre-cut guide	3	4974	Hex Jam Nut
tubes	4	396	Set Screw
	5	3613	Lock Washer
	6	4975	Flat Washer
	7	4912	Snap Ring
	8	4214	Gas Barb Assy. (w/4907 O-Ring)
	9	4942	Wire Assembly
	10	4973	Button Head Screw
	11	4972	Power Socket
	12	478	Guide Tube, Small I.D.
	13	479	Guide Tube, Large I.D.

4970A



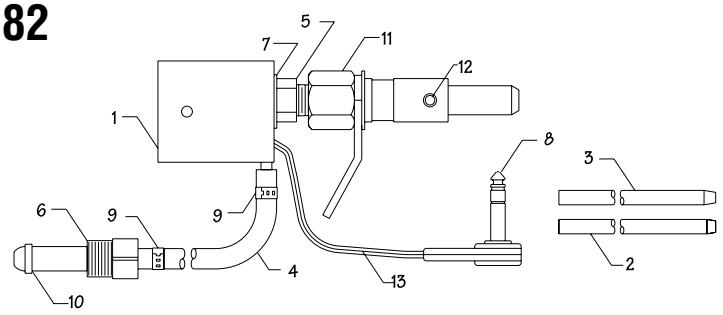
FOR USE ON	ITEM	PART NO.	DESCRIPTION
Universal flange	1	4971	Feeder Mount
mount quick	2	1456	Hex Nut
disconnect	3	4974	Hex Jam Nut
	4	396	Set Screw
includes universal	5	3613	Lock Washer
centering device for	6	4975	Flat Washer
most European	7	4912	Snap Ring
feeders	8	4214	Gas Barb Assy. (w/4907 O-Ring)
	9	4942	Wire Assembly
	10	4973	Button Head Screw
	11	4972	Power Socket
	12	478	Guide Tube, Small I.D.
	13	479	Guide Tube, Large I.D.
	14	4989	Centering Kit Complete

4991



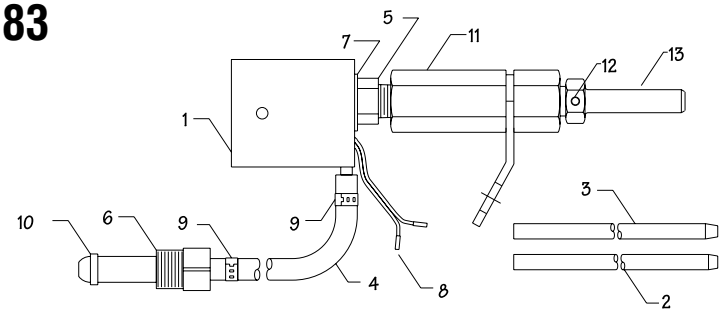
FOR USE ON	ITEM	PART NO.	DESCRIPTION
Lincoln LN4, LN-5, LN-6, LN-8, LN-9	1	4893	Body, w/Gas Barb & O-Ring
	2	4951	Guide Tube, Small I.D.
	3	4961	Guide Tube, Large I.D.
W/pre-cut guide tubes and plugs	4	1571	Gas Hose
	5	4908	Socket
	6	1566	Gas Nut
	7	4912	Snap Ring
	8	1694	Lead Set (Includes 4942)
	9	1930	Oetiker Clamp
	10	663	Hose Gland
	11	1381	Adaptor Body
	12	1384	Set Screw
	13	4942	Wire Assembly

4982



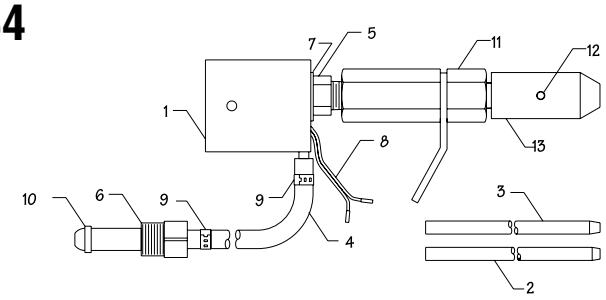
FOR USE ON	ITEM	PART NO.	DESCRIPTION
Hobart, all models except 200	1	4893	Body, w/Gas Barb & O-Ring
	2	4952	Guide Tube, Small I.D.
	3	4962	Guide Tube, Large I.D.
W/pre-cut guide tubes and plug	4	1571	Gas Hose
	5	4908	Socket
	6	1566	Gas Nut
	7	4912	Snap Ring
	8	1692	Lead Set (Includes 4942)
	9	1930	Oetiker Clamp
	10	663	Hose Gland
	11	1362	Adaptor Body
	12	396	Set Screw
	13	4942	Wire Assembly

4983



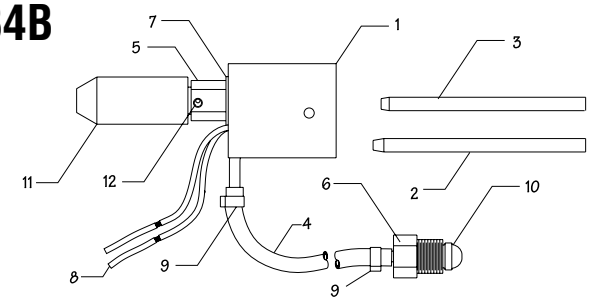
FOR USE ON	ITEM	PART NO.	DESCRIPTION
Miller, 10 & 30 Series 70 & 80 Series	1	4893	Body, w/Gas Barb & O-Ring
	2	4953	Guide Tube, Small I.D.
	3	4963	Guide Tube, Large I.D.
Machinery & Weldor MHFC-H, MHFC-R1	4	1571	Gas Hose
	5	4908	Socket
	6	1566	Gas Nut
W/pre-cut guide tubes	7	4912	Snap Ring
	8	4942	Wire Assembly
	9	1930	Oetiker Clamp
	10	663	Hose Gland
	11	1363	Adaptor Body
	12	396	Set Screw
	13	489	Adaptor Shank

4984



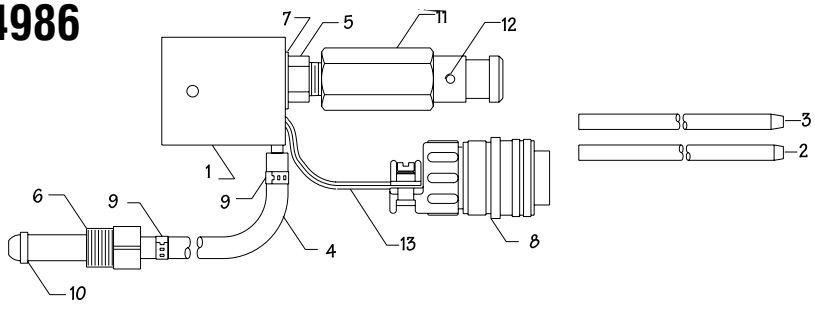
FOR USE ON	ITEM	PART NO.	DESCRIPTION
Linde, SWM-11, 11B, 23, 24, 25, 26, 35, SEH-3, SEH-5, SEH-10 Digimig	1	4893	Body, w/Gas Barb & O-Ring
	2	4955	Guide Tube, Small I.D.
	3	4965	Guide Tube, Large I.D.
	4	1571	Gas Hose
	5	4908	Socket
	6	1566	Gas Nut
W/pre-cut guide tubes	7	4912	Snap Ring
	8	4942	Wire Assembly
	9	1930	Oetiker Clamp
	10	663	Hose Gland
	11	1363	Adaptor Body
	12	396	Set Screw
	13	1170	Adaptor Shank

4984B



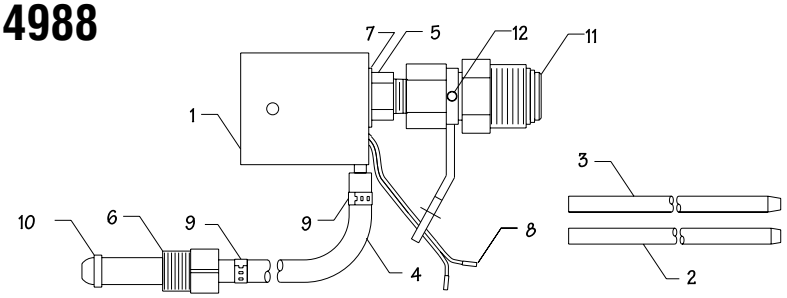
FOR USE ON	ITEM	PART NO.	DESCRIPTION
Linde	1	4893	Body, w/Barb & O-Ring
	2	4955	Guide Tube, Small I.D.
	3	4965	Guide Tube, Large I.D.
	4	1571	Gas Hose
	5	4972	Power Socket
	6	1566	Gas Nut
	7	4912	Snap Ring
	8	4942	Wire Assembly
	9	1930	Clamp
	10	663	Hose Gland
	11	1170A	Adaptor Shank
	12	396	Set Screw

4986



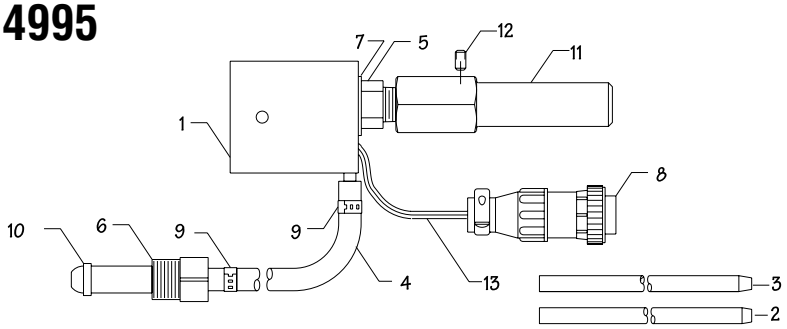
FOR USE ON	ITEM	PART NO.	DESCRIPTION
Lincoln LN-7, SP-200, LN-22	1	4893	Body, w/Gas Barb & O-Ring
	2	4956	Guide Tube, Small I.D.
	3	4966	Guide Tube, Large I.D.
W/pre-cut guide tubes and plug	4	1571	Gas Hose
	5	4908	Socket
	6	1566	Gas Nut
	7	4912	Snap Ring
	8	1694	Lead Assembly (includes 4942)
	9	1930	Oetiker Clamp
	10	663	Hose Gland
	11	295	Adaptor Body
	12	396	Set Screw
	13	4942	Wire Assembly

4988



FOR USE ON	ITEM	PART NO.	DESCRIPTION
Airco AHF-N,	1	4893	Body, w/Gas Barb & O-Ring
AHF-R, AHF-S,	2	4953	Guide Tube, Small I.D.
AHF-T, AHF-U,	3	4963	Guide Tube, Large I.D.
AHF-V, AHF-J,	4	1571	Gas Hose
AHF-L, AHF-W	5	4908	Socket
	6	1566	Gas Nut
(W/pre-cut guide	7	4912	Snap Ring
tubes)	8	4942	Wire Assembly
	9	1930	Oetiker Clamp
	10	663	Hose Gland
	11	4825	Adaptor Body
	12	396	Set Screw

4995



FOR USE ON	ITEM	PART NO.	DESCRIPTION
Miller 542 GL	1	4893	Body, w/Gas Barb & O-Ring
Swing Arc, part	2	4958	Guide Tube, Small I.D.
079-548	3	4968	Guide Tube, Large I.D.
Porta-MIG	4	1571	Gas Hose
Millermatic 40, 50	5	4908	Socket
Migmate	6	1566	Gas Nut
Millermatic 130	7	4912	Snap Ring
Miller S-32S &	8	4996	Lead Assembly
S-32P			(includes 4942)
	9	1930	Oetiker Clamp
W/pre-cut guide	10	663	Hose Gland
tubes and plugs	11	1294	Adaptor Body
	12	396	Set Screw
	13	4942	Wire Assembly

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